

# **Ms4 Interdepartmental Coordination**

Melanie Parvey, Envir/Greenway/Admin Manager

**City of Grand Forks, ND**

**April 11, 2012**

# Who is responsible for Ms4 Regulations?

Engineering- Inspections

Planning

Information Center- Public Health

Public Works- Streets & Stormwater

# Coordination/Communication

- Regional Coordination- EERC Consortium
- Local- Quarterly Coordination Meetings are held
  - Discussions and follow up meetings occur to address issues brought forward by the staff
  - Representatives of all impacted departments are asked to attend
- Data Collection- Analysis & Reporting
  - Houston Engineering just provided a demo for compliance tracking software which offers a collaborative comprehensive data collection of new projects, maintenance activities- outfall inspections & street sweeping schedules, public awareness events



Outfall Inspection Record

Create a detailed outfall inspection record report.

City of Springfield

Minimum Control Measure 3 – Illicit Discharge Detection and Elimination

Individual Outfall Inspection Record

From: 01/01/2012 To: 03/31/2012

Outfall Inspection Details

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Outfall Name:

OUTFALL-005

Inspection Date:

3-23-2012

Is there discharge during the dry-weather inspection?

No

Are there actions that need to be taken to follow the Outfall Inspection SOP?

No

Are emergency response measures needed?

No

Comments:

Outfall was not discharging during the dry-weather inspection

Photographs

Outfall Inspection Worksheet - IBM Lotus Notes

File Edit View Create Actions Tools Window Help

Home x Melanie Parvey - Mail x Outfall Inspections - Date x Outfall Inspection Worksheet x

Search All Mail

Create New Copy Edit Document Close Document Print Document

### Outfall Inspection Worksheet

**Background**

Permittee: City of Grand Forks Date: 04/04/2012<sup>16</sup> Time:

Inspector: JD Predominant Watershed Landuse: Residential

Outfall Location: (Latitude) (Longitude)

Address: 1306 Kuster Ct.

Outfall Number: 105N

Date Outfall Last Inspected by Permittee: <sup>16</sup>

Days Since Last Rainfall: Inches:

Photos Taken? ☐ Yes ☐ No Photo #s:

Drainage Area: ☐ Red River ☐ English Coulee Diversion  
☒ English Coulee ☐ S.E. Drainway

**Outfall Description**

<p>End of Pipe Diameter (feet/inches): 15 "</p> <p>Open Channel? Yes</p> <p>Shape:  <input checked="" type="checkbox"/> Circular  <input type="checkbox"/> Elliptical  <input type="checkbox"/> Box</p>	<p>Outfall Submerged: Yes</p> <p>If yes, in  <input checked="" type="checkbox"/> Water  <input type="checkbox"/> Fully  <input type="checkbox"/> Partially  <input type="checkbox"/> Sediment  <input type="checkbox"/> Fullv</p>	<p>Pipe Material:  <input checked="" type="checkbox"/> Concrete  <input type="checkbox"/> PVC  <input type="checkbox"/> Steel  <input type="checkbox"/> Other:</p>	<p>Pipe Condition:  <input checked="" type="checkbox"/> Good  <input type="checkbox"/> Fair  <input type="checkbox"/> Poor</p> <p>Describe:</p>
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1 document selected

Office (Network)



Outfall Info

Enter an outfall inspection record and document illicit discharges and other observations.

MS4 Permit Manager - Springfield

ms4.houstoneng.net/secure/#

Log Out

quick search

Outfall Inventory | Outfall Info | Inspections | **Inspection Info** | Responses | Response Info | Map | Reports

Inspection Date: 2/15/2012

Inspection Checklist

Is there discharge during the dry-weather inspection? ☐ Yes ☒ No

Are there actions that need to be taken to follow the Outfall Inspection SOP? ☐ Yes ☒ No

Are Emergency Response measures needed? ☐ Yes ☒ No

Inspection Comments

Photographs

Delete

Setup customized checklist questions

Enter comments and observations

Attach photos to an inspection

Springfield

MS4 Permit Manager

Log Out

quick search

Administrative Settings

- Basic Information
- User Roles
- Email Reminders
- Manage Letter Templates
- Map Settings

Manage SWMP Program

Mapping and Inventory

- Outfalls
- Stormwater Treatment BMPs
- Pond-Wetland-Waterbody Inventory
- Stormwater Conveyance Features

Minimum Control Measures

- Public Education and Outreach
  - Public Education and Outreach
- Public Participation/Involvement
  - Public Participation/Involvement
- Illicit Discharge Detection and Elimination
  - Illicit Discharge Detection and Elimination
- Construction Stormwater
  - Construction Stormwater
- Post-construction Stormwater
  - Post-construction Stormwater
- Pollution Prevention/Good Housekeeping
  - BMP Inspection and Maintenance
  - Stockpile and Material Handling Inspections
  - Pond and Wetland Assessments
  - Employee Training
  - Non-structural BMPs
- Reporting
  - Annual Reports
  - SWMP Activity Reports
- TMDLs
  - TMDL WLA
  - Water Quality Monitoring
  - Implementation Tracking for Structural BMPs
  - Implementation Tracking for Non-structural BMPs

Go to Map	MCM 6 - Pond and Wetland Assessments	Regulatory Mechanisms
MCM 1 - Public Education and Outreach	MCM 6 - Non-structural BMPs	Enforcement Response Procedures
MCM 2 - Public Participation and Involvement	MCM 6 - Employee Training	Partnerships
MCM 3 - Illicit Discharge Detection and Elimination	Annual Report	TMDL WLAs
MCM 4 - Construction Stormwater Runoff Program	Manage Email Reminders	Water Quality Monitoring
MCM 5 - Post Construction Stormwater Runoff Program	Reporting	Structural BMP Pollutant Reduction Estimates
MCM 6 - Stormwater BMP Inspection and Maintenance	Import/Export Data	Non-structural BMP Pollutant Reduction Estimates
MCM 6 - Stockpile and Material Handling Facility Inspections	Standard Operating Procedures	TMDL WLA Implementation Assessments and Reports

Navigation tree

Navigation buttons

11.69 x 8.26 in





### Construction Stormwater Permit Information

Store information on the permit and contact info

**Springfield**  
MS4 Permit Manager

Log Out

quick search

Permits List

Permit Info

Contact Info

Review

ESC BMPs

ESC BMP Info

Public Input

Public Input Info

Inspections

Inspection Info

Enforcements

Enforcement Info

Map

Reports

Permit Number

2012-2

Permit Name

Bluebird Subdivision

Site Address

57 Front Street

X Coordinate

-93.480236007883

Y Coordinate

45.065040085714

Application Date

1/2/2012

Permit Issuance Date

3/2/2012

Permit Expiration Date

3/2/2013

Disturbed Area

40

Project Description

develop lots for housing development including streets and utilities for 8 lots.

NPDES Permit No.

987654

Map inset shows you where the permit is



# Educational Opportunities

- SWPP Guide for New Homeowners
- Door Hangers used in areas to help educate where illegal dumpings are occurring
- Annual Letters to Landscaping/Mowing Contractors
  - Coordinate the educational material about Yard Waste Container Locations
- Place signs near detention ponds
- Interactive Display – use for events like Super Science Sunday & Earth Day Workshops

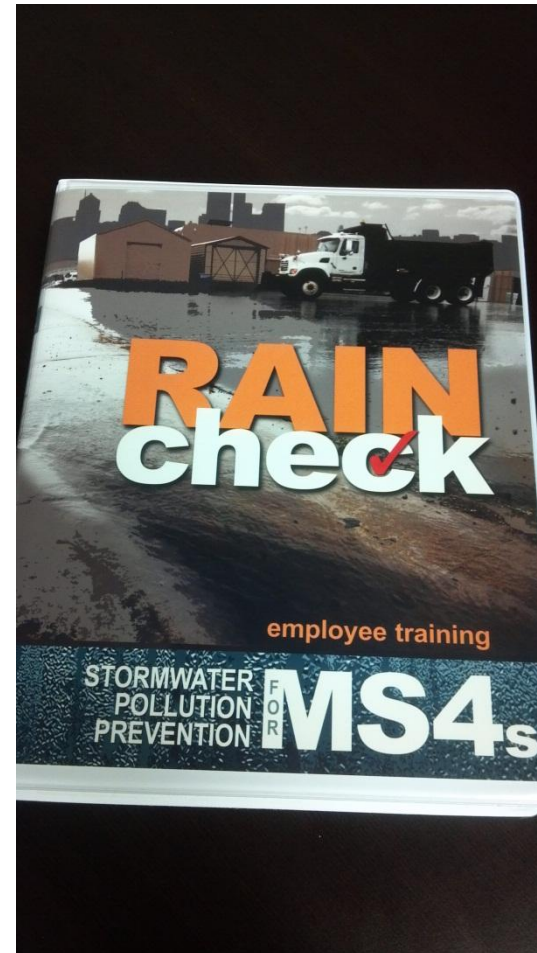
# Interactive Display

- Use for events like Super Science Sunday & Earth Day Workshops
- Sponge Bob and friends visit the City of Ooze and teach students about Storm Water Pollution Prevention techniques that they can apply in their own

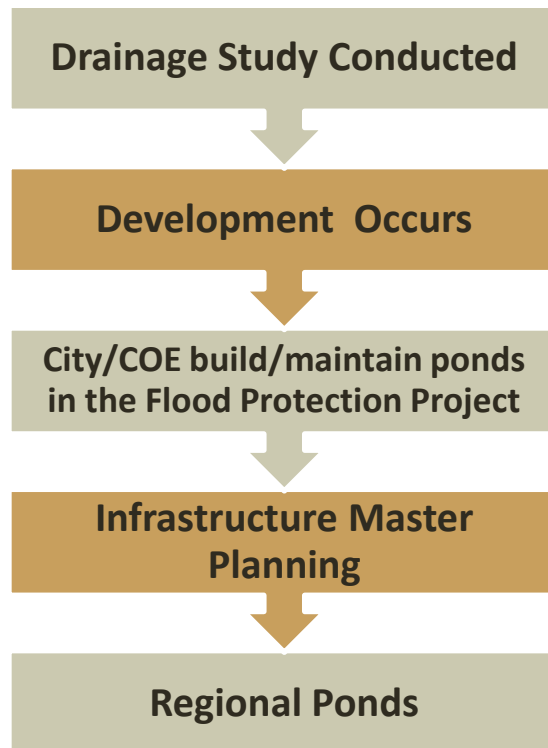


# Employee Training

- Employee Training is conducted
- Training is scheduled for all Public Works Departments, Inspectors, Operators, Grand Forks Park District Staff, as well as Emergency Responders



# Meeting EPA's and NDDOH Phase II Stormwater Regulations- Regional Ponds



## Objectives:

- Public/Private Partnerships
- Appropriate Stormwater Management BMP Design
- More economical/effective than if Stormwater is controlled on a site by site basis



# Stormwater Detention Ponds



# Stormwater Ponds

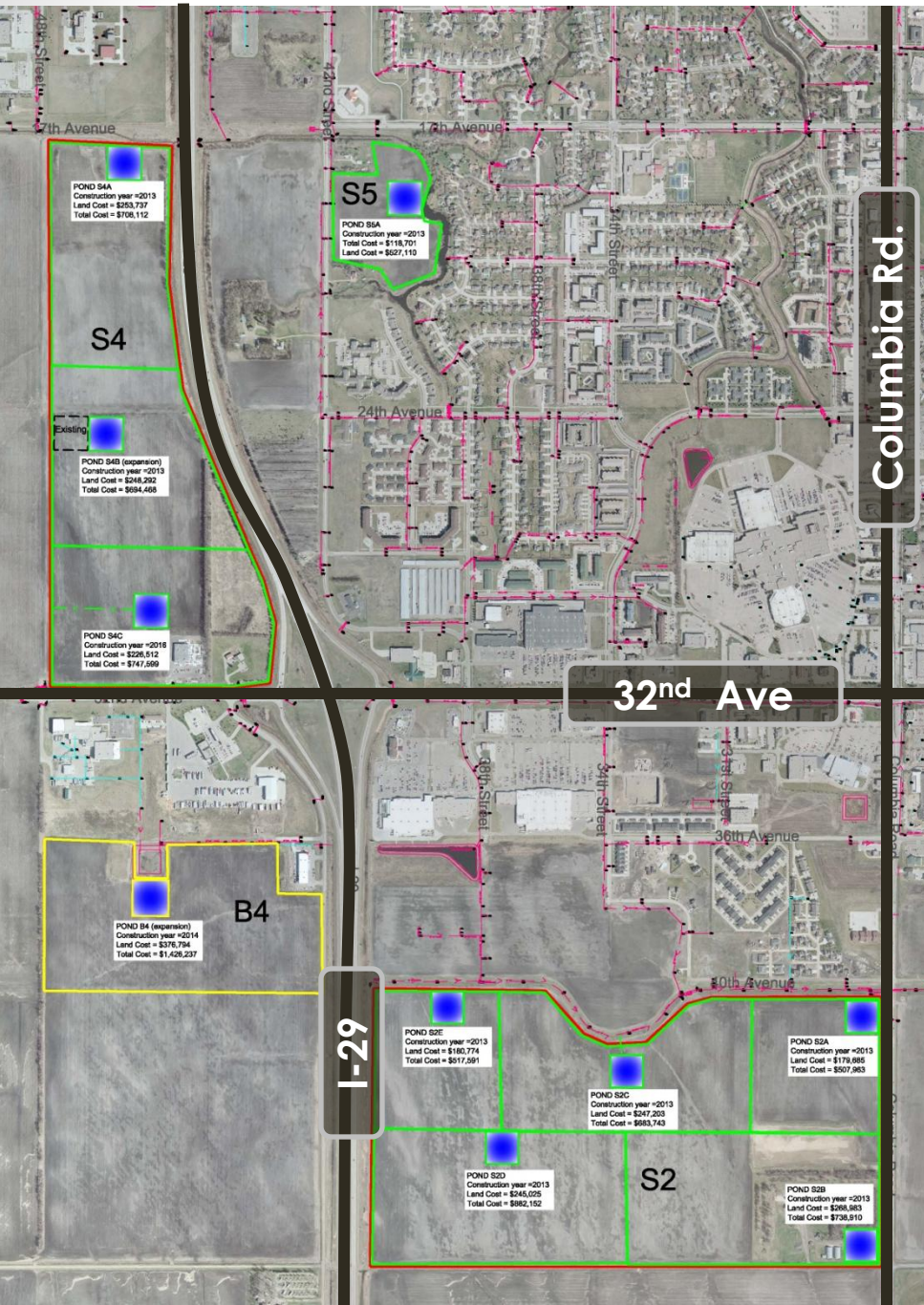
- Currently maintained by contracts/internal operations
- Developing maintenance standards
- Developing O&M costs through Infrastructure Master Planning
- “Smart Tablet” implementation is essential











# Regional Ponds

# Changes in Operations

- What is required of the maintenance for the ponds
- Who will perform the maintenance or manage contracts for the maintenance
- Still learning how to maintain these facilities- not all O&M costs have been identified
- Operators could become more involved in the design and inspections of these facilities

# Partnerships

- Rain Barrel Workshops were held in 2008
- Partnerships: Grand Forks County Soil Conservation District, NDSU Extension Service, NRCS, City of Grand Forks
- Rain Barrel Kits are now available through GFCSCD
- Information on websites
  - [www.grandforksgov.com](http://www.grandforksgov.com)
  - [www.gfscd.org/rain\\_barrels.htm](http://www.gfscd.org/rain_barrels.htm)

